Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Project Division Dasarahalli

Name of Work:	**Improvements of Roads and Drains at Shettyhalli and Surrounding area in Ward No-12 Project Division Dasarahalli(Package-1)**
1	Improvements to roads and drains at Shettyhalli and Surrounding area's at Shettyhalli, Ward No-12 in Project Division
2	Improvements to roads and drains at Shettyhalli and Surrounding area in ward No-12
3	Improvements to roads and drains at Shettyhalli and Surrounding area's at Shettyhalli, Stage 01 in Ward No 12

Abstract Bill of Quantities

Sl No	Description of Items	Unit	Quantity	Rate in Rs.	Amount
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications 10km lead= 57+2.0x1.28x10 =82.60(I No-19.1, P No-133)	Cum	9196.44	220.40	2026895.38
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)	Cum	1381.21	5421.90	7488782.50
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271)	Cum	2094.72	7070.20	14810089.3
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specificatio(I No-28.8.2,P No-229)	Tn	140.86	72326.98	10188180.

No of Corrections - Nil

Abstract Bill of Quantities

Sl No	Description of Items	Unit	Quantity	Rate in Rs.	Amount
5	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)	Sqm	5260.98	2300.00 2268.60	12100254.00 11616348.84
6	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:1.5:3 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm	58.80	5418.00 5341.98	318578.40 314130.80
7	KSRRB M2100-17.2 Providing and laying Plain / Reinforced Cement Concrete design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticizer @3lts confirming to IS9103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HDM curing, form works, scaffolding and centering complete as per specifications (I No-27.31,P No-223)	Cum	291.06	5294.70	1541075.38
8	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (I No-5.30,P No-27)	Nos	7187.00	432.48	3108233.76
9	KSRRB 800-1 Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with matenals, labour complete as per specifications(I No-24.1,P No-180)	Sqm	1287.90	84.80	109213.92
10	KSRRB M300-14 Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and complete as per specifications. MORTH Specification No.301Loading and unloading with 5km lead= (I No-19.14,P No-143)	Cum	194.22	69.06	13412.83

Nos of Corrections -4

Abstract Bill of Quantities

Sl No	Description of Items	Unit	Quantity	Rate in Rs.	Amount
11	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications MORTH / Chapter 3 (I No-15.64,P No-147)	Sqm	454.40	6.36	2889.98
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications Clause 401 of MORTH V Revision.(I No-20.5,P No-153)	Cum	64.74	1994.92	129151.12
13	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fin aggregate conforming to IS 383-2016, with Superplastizer at 1 its conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing) & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications .(I No-22.6.1,P No-176)	Cum	87.46	5210.96	455750.56

Nos of Corrections - Nil

Abstract Bill of Quantities

Sl No	Description of Items	Unit	Quantity	Rate in Rs.	Amount
14	Vaccum de watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(I No-22.7,P No-176)	Sqm	647.40	72.08	46664.59
15	Towards Tender Premium	%			5233917.27
16	Towards GST 12%	%			6280700.72
17	Towards DPR and PMC Cost	%			1139926.95
18	Utility Shifting,Miscellaneous & Rounding Off	LS			6282.37
	GRAND TOTAL				**65000000.00**

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019and Data Rates

Assistant Engineer,
Project division Dasarahalli
BBMP,Bangalore

Asst.Executive Engineer,
Project division Dasarahalli
BBMP,Bangalore

Executive Engineer
Project division
BBMP,Bangalore

Total Nos of Corrections – 4 nos

DTS Approved

No.CE/02/TS/186/17-18 : 22/02/2019